

C L A I M S

1. A pipe cleaning system capable of cleaning an inside
and an outside of a pipe, comprising:
- (a) an interior cleaning member being adapted to clean
the inside of the pipe;
- (b) an exterior cleaning member being adapted to clean
the outside of the pipe;
- (c) a joining means for removably securing the interior
cleaning member to the exterior cleaning member;
- (c) a joining means for removably securing the interior
cleaning member to the exterior cleaning member;
- (d) the interior cleaning member having a male housing;
- (e) the male housing having a drive member and a male
cleaning member mounted thereon to form the interior cleaning
member;
- (f) the exterior cleaning member having a female housing
adapted to receive the male housing;
- (g) the exterior cleaning member having a female housing
and a female cleaning member adapted to receive the male
housing;
- (g) the exterior cleaning member having a female housing
adapted to receive the male housing; and
- (h) the exterior cleaning member having a female housing
and a female cleaning member adapted to receive the pipe.

2. The pipe cleaning system of Claim 1 further,
comprising:

- (a) the joining system being a flag system;
- (b) the male housing having at least two male flag attachment devices thereon;
- (c) the female housing having at least two female flag attachment devices thereon;
- (d) each male member of the at least two at least two male flag attachment devices having a corresponding female member in the at least two female flag attachment devices; and
- (e) each male member being adapted to cooperate with the corresponding female member.

3. The pipe cleaning system of Claim 2 further,
comprising:

- (a) the female housing having a conical shape;
- (b) the male housing having a conical shape;
- (c) the female housing being adapted to receive the male housing; and
- (d) the female housing being releasably attachable to the male housing.

4. The pipe cleaning system of Claim 3 further,
5 comprising:

- (a) the female housing having an arced conical shape;
- (b) the male housing having an arced conical shape;
- (c) the female housing being adapted to receive the male
5 housing; and
- (d) the female housing being releasably attachable to
the male housing.

5. The pipe cleaning system of Claim 2 further,
comprising:

- (a) the female housing having a cylindrical shape;
- (b) the male housing a cylindrical shape;
- (c) the female housing being adapted to receive the male
5 housing; and
- (d) the female housing being releasably attachable to
the male housing.

6. The pipe cleaning system of Claim 2 further,
comprising:

- (a) the drive member being a drill mounting post;
- (b) the drill mounting post being receivable in a power
5 drill; and
- (c) the female housing being releasably attachable to
the male housing with the mounting post secured in the power
drill.

7. The pipe cleaning system of Claim 2 further,
comprising:
(a) the at least two female flag attachment devices
being six female flag attachment devices; and
(b) the at least two male flag attachment devices being
six male flag attachment devices.

8. The pipe cleaning system of Claim 7 further,
comprising:
(a) the female housing having a conical shape;
(b) the male housing having a conical shape;
(c) the female housing being adapted to receive the male
housing; and
(d) the female housing being releasably attachable to
the male housing.

9. The pipe cleaning system of Claim 8 further,
comprising:
(a) the female housing having an arced conical shape;
(b) the male housing having an arced conical shape;
(c) the female housing being adapted to receive the male
housing; and
(d) the female housing being releasably attachable to
the male housing.

10. The pipe cleaning system of Claim 7 further,
comprising:

- (a) the female housing having a cylindrical shape;
- (b) the male housing a cylindrical shape;
- (c) the female housing being adapted to receive the male

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housing; and

- (d) the female housing being releasably attachable to
the male housing.

11. The pipe cleaning system of Claim 10 further,
comprising:

- (a) the drive member being a drill mounting post;
- (b) the drill mounting post being receivable in a power

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drill; and

- (c) the female housing being releasably attachable to
the male housing with the mounting post secured in the power
drill.

12. The pipe cleaning system of Claim 7 further,
comprising:

- (a) the at least two female flag attachment devices
being six female flag attachment devices; and
- (b) the at least two male flag attachment devices being
six male flag attachment devices.

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13. The pipe cleaning system of Claim 1 further,

comprising:

(a) the joining system being a bayonet system;

5 (b) the male housing having at least two male bayonet attachment devices thereon;

(c) the female housing having at least two female bayonet attachment devices thereon;

10 (d) each male member of the at least two at least two male bayonet attachment devices having a corresponding female member in the at least two female bayonet attachment devices;

and

(e) each male member being adapted to cooperate with the corresponding female member.

14. The pipe cleaning system of Claim 13 further,

comprising:

(a) the female housing having a conical shape;

(b) the male housing having a conical shape;

5 (c) the female housing being adapted to receive the male housing; and

(d) the female housing being releasably attachable to the male housing.

15. The pipe cleaning system of Claim 14 further,
comprising:

- (a) the female housing having an arced conical shape;
- (b) the male housing having an arced conical shape;
- (c) the female housing being adapted to receive the male

housing; and

- (d) the female housing being releasably attachable to
the male housing.

16. The pipe cleaning system of Claim 13 further,

comprising:

- (a) the female housing having a cylindrical shape;
- (b) the male housing a cylindrical shape;
- (c) the female housing being adapted to receive the male

housing; and

- (d) the female housing being releasably attachable to
the male housing.

17. The pipe cleaning system of Claim 13 further,

comprising:

- (a) the drive member being a drill mounting post;
- (b) the drill mounting post being receivable in a power

5 drill; and

- (c) the female housing being releasably attachable to
the male housing with the mounting post secured in the power
drill.

18. The pipe cleaning system of Claim 17 further,
comprising:

- (a) the at least two female bayonet attachment devices
being six female bayonet attachment devices; and
- (b) the at least two male bayonet attachment devices
being six male bayonet attachment devices.

19. The pipe cleaning system of Claim 18 further,

comprising:

- (a) the female housing having a conical shape;
- (b) the male housing having a conical shape;
- (c) the female housing being adapted to receive the male
housing; and
- (d) the female housing being releasably attachable to
the male housing.

20. The pipe cleaning system of Claim 19 further,
comprising:
- (a) the female housing having an arced conical shape;
 - (b) the male housing having an arced conical shape;
 - (c) the female housing being adapted to receive the male
housing;
 - (d) the female housing being releasably attachable to
the male housing;
 - (e) the drive member being a drill mounting post;
 - (f) the drill mounting post being receivable in a power
drill; and
 - (g) the female housing being releasably attachable to
the male housing with the mounting post secured in the power
drill.